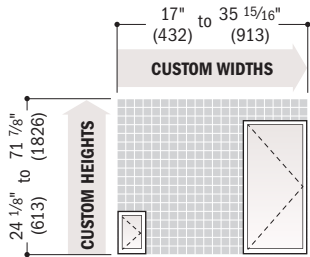


400 SERIES REPLACEMENT CASEMENT & AWNING WINDOWS



Replacement Sizes and Specification Formulas

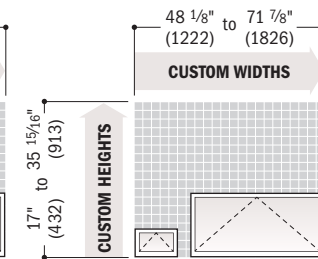
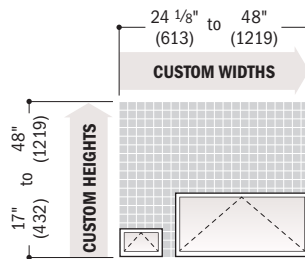
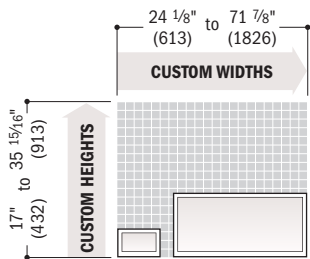
Casement Windows (stationary and venting)



Available in 1/8" (3) increments between minimum and maximum widths and heights. Windows can also be custom sized to match standard sizes ending in a sixteenth of an inch. Some restrictions apply; contact your Andersen supplier. Custom sizing is available for single windows only. To achieve custom-size 2- or 3-wide combinations, join custom-size single windows. For minimum rough opening dimensions for joined windows, see specific joining instruction guides. Measurement guide for custom-size windows can be found at andersenwindows.com/measure. Thick replacement extension jambs are available to preserve original alignment of trim and paint lines. Shown on page 39; see page 34 for detail.

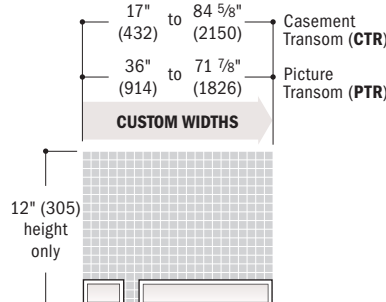
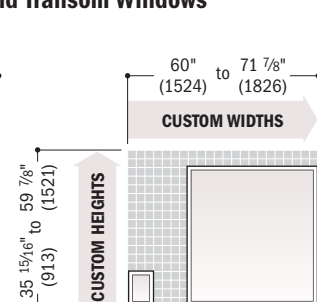
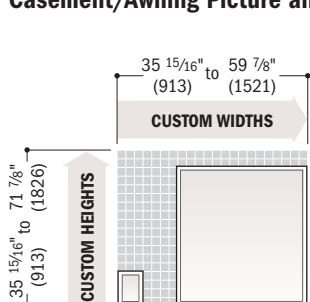
	Clear Opening Width = window width – 5.81" (148) = (window width – 9.66" (245)) x 1.07 = window width – 9.70" (246) Height = window height – 4.43" (113) = window height – 4.85" (123)	Width ≥ 24 1/8" (613) (hinge for widest clear opening) Width ≥ 28 3/8" (721) (hinge with wash mode and control bracket) Width ≥ 17" (432) (hinge with wash mode) Height ≥ 40 13/16" (1037) and < 48" (1219); Width ≥ 28 3/8" (721) and < 31 1/2" (800) All other window heights		Min. R.O. Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Vent Opening Width = window width – 5.81" (148) = window width – 6.10" (155) Height = window height – 4.43" (113) = window height – 4.85" (123)	Width ≥ 24 1/8" (613) (hinge for widest clear opening) Width ≥ 17" (432) (hinge with wash mode) Height ≥ 40 13/16" (1037) and < 48" (1219); Width ≥ 28 3/8" (721) and < 31 1/2" (800) All other window heights		Unobst. Gls. Width = window width – 4.40" (112) Height = window height – 4.95" (126)

Awning Windows (stationary and venting)



	Clear Opening Width = window width – 4.53" (115) Depth = 6.38" (162) = 6.44" (164) = 6.50" (165) Height ≥ 17" (432) and < 20 1/2" (521) Height ≥ 20 1/2" (521) and < 24 1/8" (613) All other window heights		Min. R.O. Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Vent Opening Width = window width – 4.53" (115) Depth = 6.38" (162) = 6.44" (164) = 6.50" (165) Height ≥ 17" (432) and < 20 1/2" (521) Height ≥ 20 1/2" (521) and < 24 1/8" (613) All other window heights		Unobst. Gls. Width = window width – 4.81" (122) Height = window height – 4.51" (115)

Casement/Awning Picture and Transom Windows



	Min. R.O. Width = window width – 1/2" (13) Height = window height – 1/2" (13)
	Unobst. Gls. Width = window width – 4.80" (122) Height = window height – 4.80" (122)

* Dimensions in parentheses are in millimeters.
 • **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Min. R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Gls.** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.
 • Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for custom-size windows.